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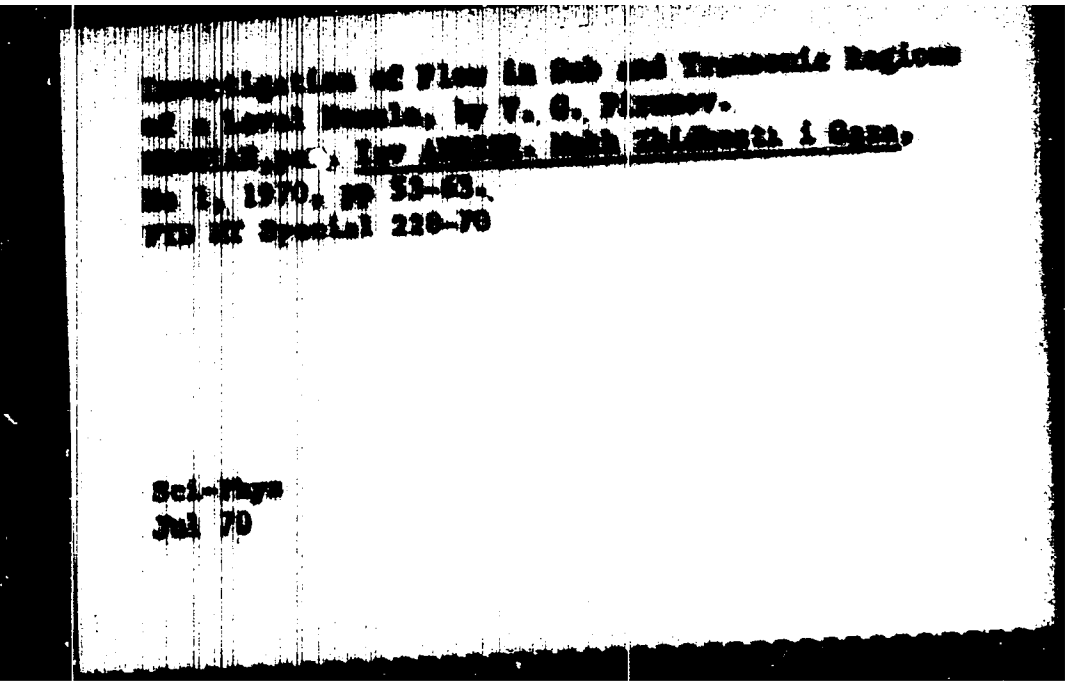

Sci-Phys
Jul 70

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Laminar Multicomponent Boundary Layer With High Rates of Injection, by E. A. Gershbeyn, 15 pp. RUSSIAN, per. Izvestiya Akademii Nauk SSSR, Mekhanika Zhidkosti i Gaza, Moscow, No 1, 1970, pp 64-73.
JPRS 56347
FTD - HT Special 225-70

July 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

F. L. Chernous'ko

Motion of a fluid bounded by a flexible film. 1970
RUSSIAN, Izv. Ak Nauk SSSR, Mekhanika zhidkosti i gaza,
Jan-Feb 1970, pp 104-112
NASA TT F 14,575

sept 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

A. I. Golubinskii

The Action of Unsteady Pressure Pulse on a Body in a Liquid or Gas.

RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, No 1, 1970, pp 113-120.

NTC 72-13980-20D

NASA-TT-F-13263

Nov 72

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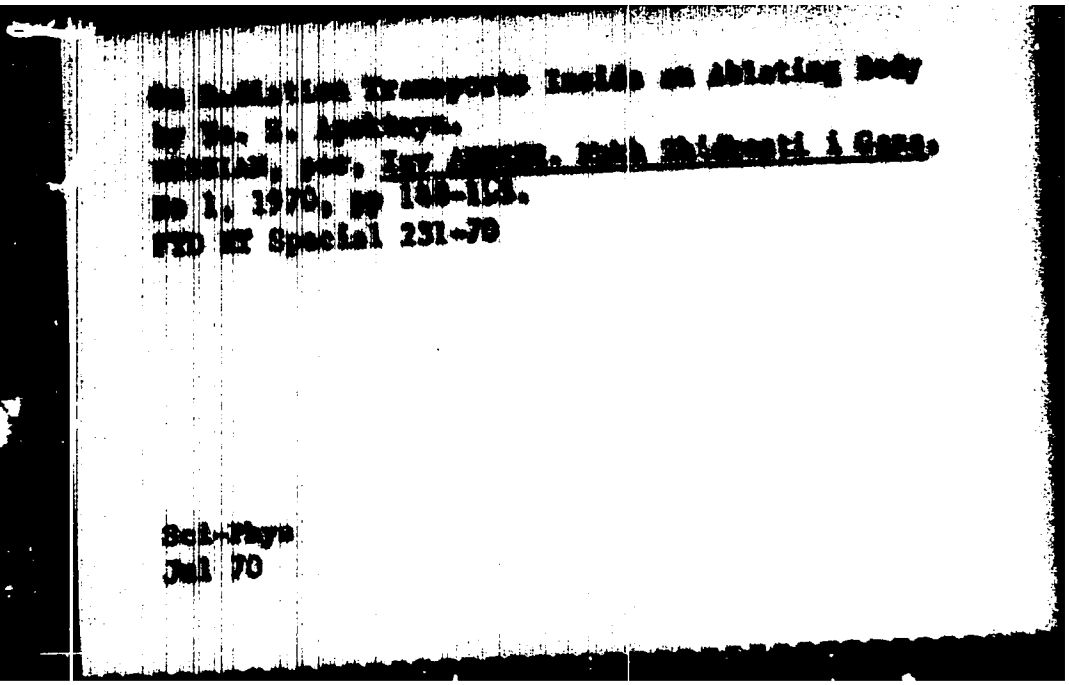


on Surface Temperature Inside an Ablating Body
by Yu. S. Anikeyev,
[illegible], Inzh.-Fiz. Zhurn., Nauk i Tekhnika i Gaza,
No 1, 1970, pp 148-151.
FTD MT Special 231-70

Sci-Phys
Jul 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Krasnobayev, K. V.

Ionization of a gas by instantaneous bursts of radiation

IZV. AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 2, 1970, pp 14-19

FTD-HS-23-1337-71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

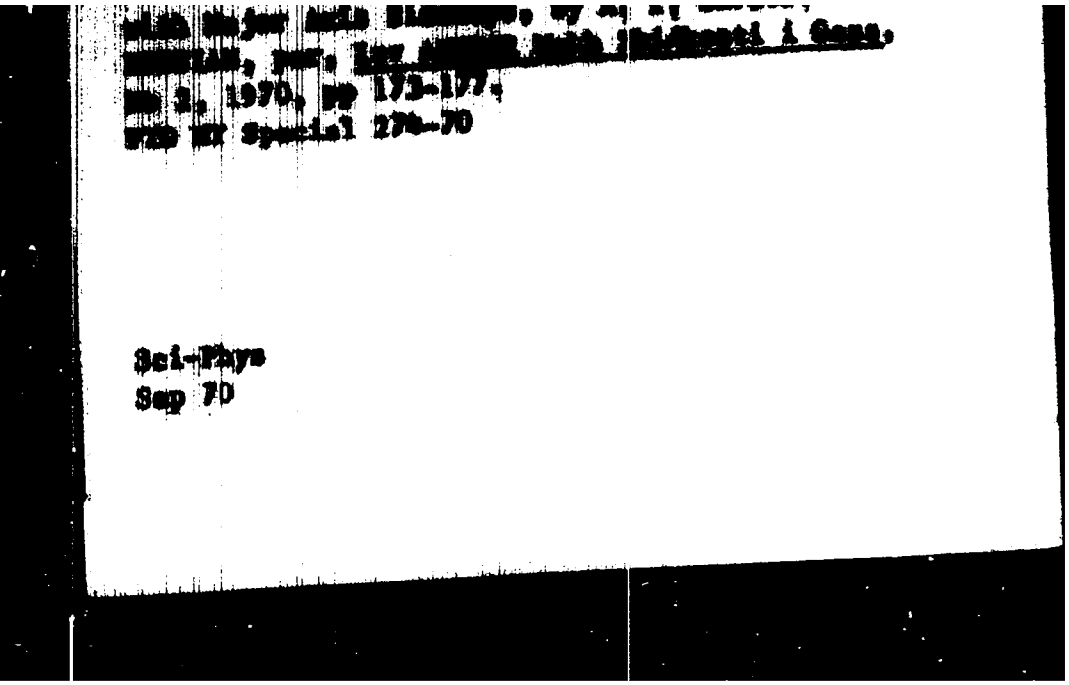
APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Periodic Shock Waves in Gases, by Sh. V. Galiyev.
IZV MEKHANIKA ZHIDKOSTI I GAZA, No 2, 1970, pp 57-66.
NAVY/APL/JHU-T-2722

Apr 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2



Sci-Phys
Sep 70

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Antonets, A. V.

Calculation of the three dimensional supersonic flow past blunted bodies with bends in the generating line.
IZV. AN SSSR. MEKHANIKA ZHIDKOSTI I GAZA, no 2, 1970, pp 178-181
FTD-MS-24-993-71

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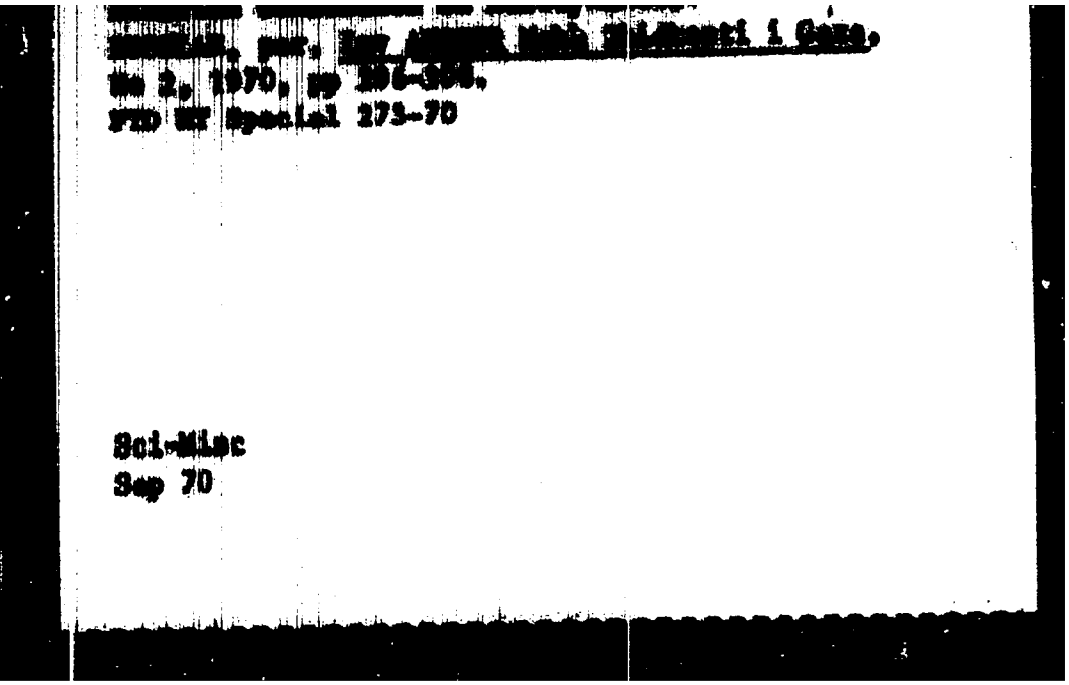

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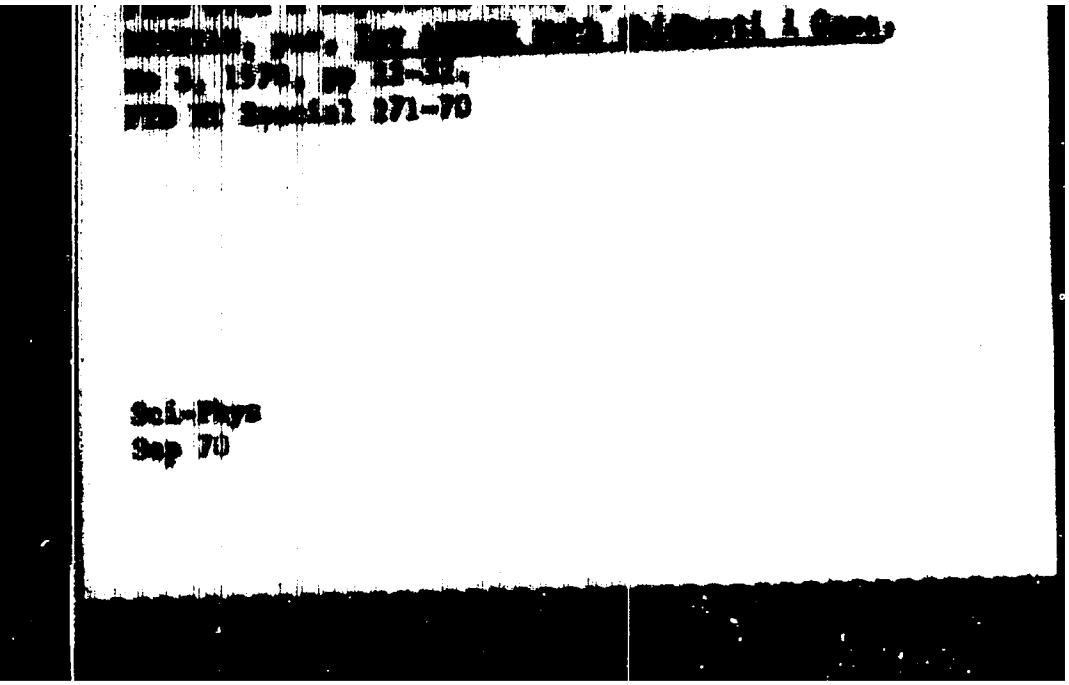

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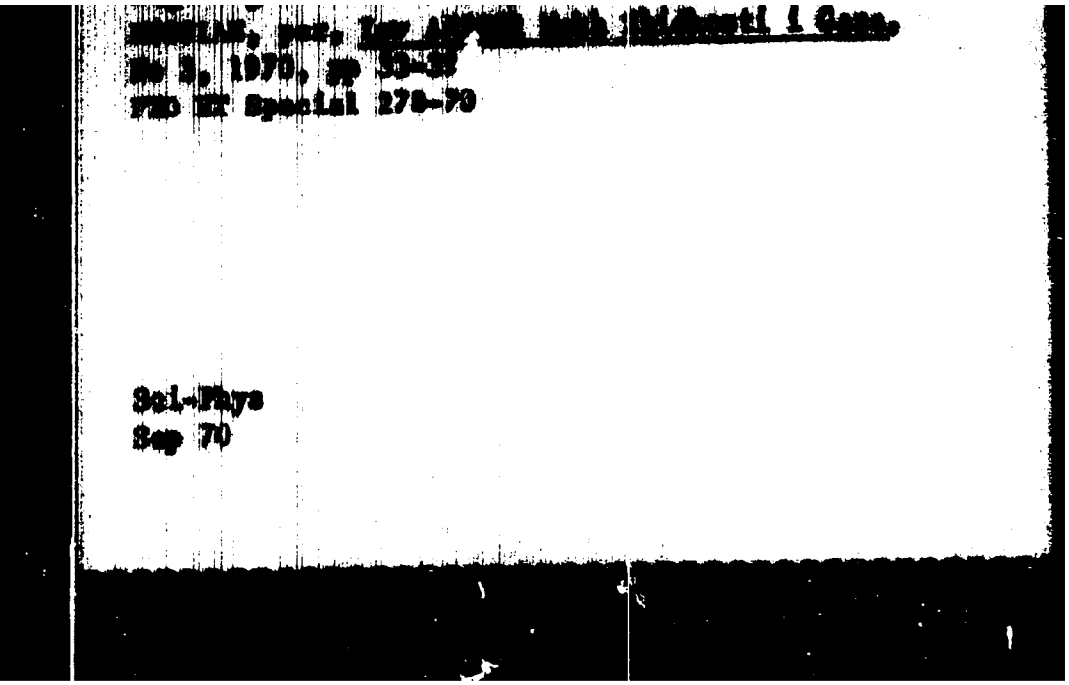

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Hypersonic Flow Around Triangular Wings of Finite Thickness, by A. L. Gonor.
RUSSIAN, per, Izv. AN SSSR, Mekh. Zhidk. i Gaza.
No 3, '970, pp 46-55.
FTD HT Special 270-70

sep 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

On the Structure of Optimal Boat-tailing of a Plane Body at Supersonic Speed, by A. N. Krayko.
RUSSIAN, per, Izv. AN SSSR, Mekh Zhidk i Gaza, No 3, 1970, pp 56-62.
FTD HT Special 272-70

sep 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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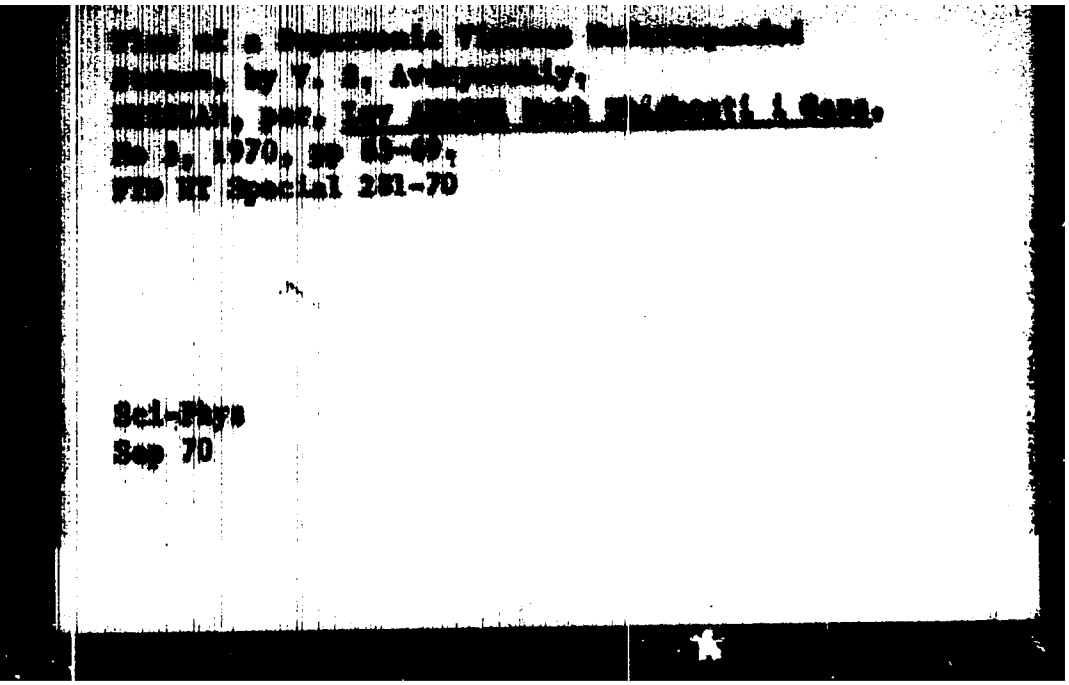

Sel-Phys
Sep 70

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Dzhaugashtin, K. Ye.

Energy in free turbulent jet of incompressible fluid.
IZV AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 3, 1970,
pp 80-89
FTD-HS-23-865-71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

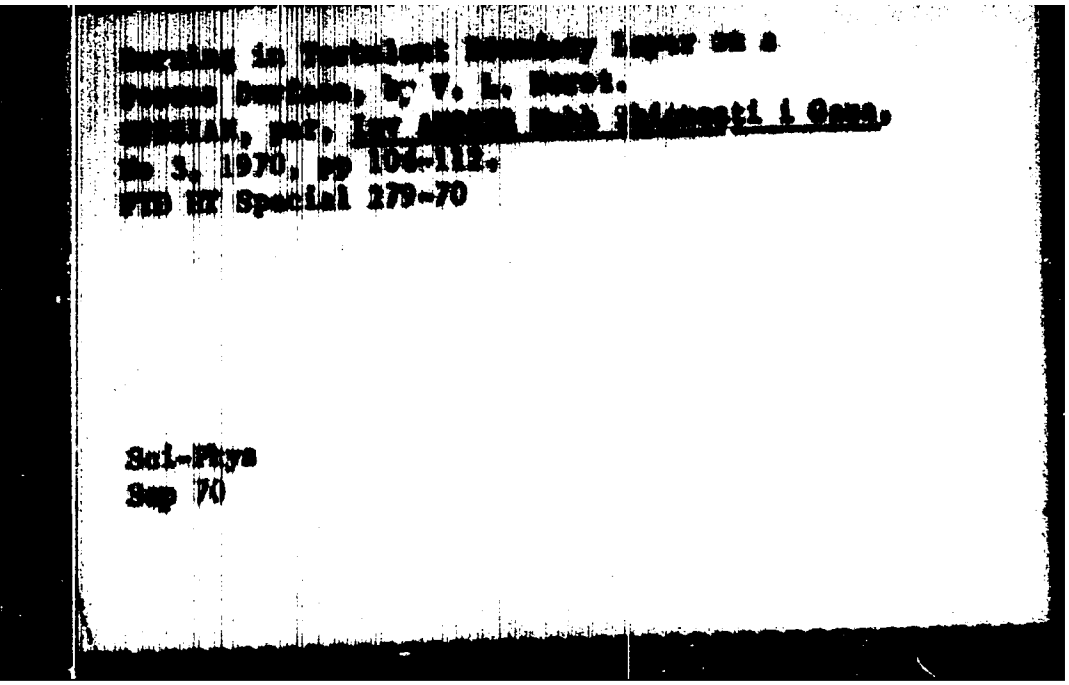
APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

[redacted] in the Vicinity of Critical Point of a
[redacted] Body in Hypersonic Flow, by
V. V. Lunev,
[redacted], per. Iz. Akademii Nauk SSSR, Izvestiya i Gaza,
No 3, 1970, pp 102-103,
FTD MT Spectal 280-70

Sci-Phys
Sep 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2



Sel-Phys
Sep 70

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Equilibrium Shapes of the Free Surface of a Fluid in Gravitational and Magnetic Fields With Surface Tension Forces Taken into Consideration, by V. M. Shashin.

18 pp.
RUSSIAN, per. Izv. Akad. Nauk SSSR. Mekh Zhidk. No 3, May-Jun 1970, pp 113-116
NASA TT F 13462
NTC 72-12061-200

jul 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

IZV. AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 3,
May-Jun 1970, pp 145-154
FTD-HT-Special 142-71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Propagation of Disturbances Above the Flow During the Interaction of a Hypersonic Flow With a Boundary Layer, by V. Ya. Neyland.
RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, No 4, 1970, pp 40-49.
NTC 72-11154-20D
Nasa TT-F-13522 18 pp

May 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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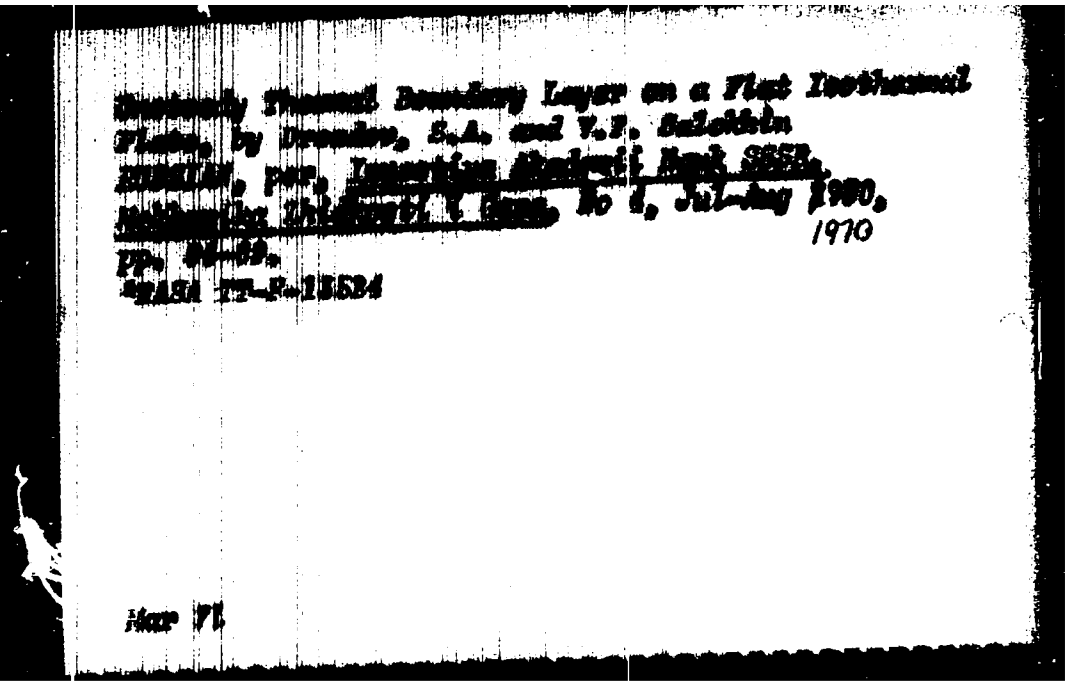

Thermal Boundary Layer on a Flat Isothermal
Plate, by Dorodnov, S.A. and V.I. Zaloldin
[illegible], Prik. Matematika i Mekh. USSR,
[illegible], No 6, July-Aug 1960.
1970
pp. 1-13.
AD 71-F-15534

Mar 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Accelerated Supersonic Motion of a Plane at a Finite Angle of Attack, by O. G. Goman.
RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, No 4, 1970, pp 70-75.
NTC 72-11146-01A
Nasa TT F 13525 12 pp

May 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

A Study of Two-Layer Gas Flow in Supersonic Axisymmetric Nozzles, by V. G. Pirumov.
RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, No 4, 1970, pp 76-81.
NTC 72-11135-20D
FTD-MS-23-71-1037

May 72 NASA TT F 13526 12 pp
NASA TT F 13429 12 PP

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

A Study of the Interaction of a Supersonic Jet and an Acoustic Field,
by M. G. Lebedev.
RUSSIAN, per, Akademiya Nauk SSSR.
Izvestiya. Mekhanika Zhidkosti i Gaza,
No 4, 1970, pp 82-94.
NTC 72-11153-20D
Nasa TT F 13527

May 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Plane-Parallel Transonic Flow With a Discontinuity, by I. Bibosunov, 6 pp
RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, No 4, 1970, pp 95-100.
NTC-71-12369-01A
CIA X 7438

Nov 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Subsonic Compressible Gas Flow Around a Semi-Infinite Plate in a Channel, by B. S. Kirnasov.
RUSSIAN, per. Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza. No 4, 1970, pp 101-108.
NTC-71-12355-01A

CIA x 7430 5 pp

Nov 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Relaxation and Nonequilibrium Radiation Behind Shock Waves in Air, by M. B. Zheleznyak.
RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya, Mekhanika Zhidkosti i Gaza, No 4, 1970, pp 161-174.
NIC 72-11138-20D
Nasa TT F 13528 31 pp
May 72 AEC/SC-T-?13030

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IZV AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 4, Jul-Aug 1970, pp 180-182
FTD-HS-23-718-71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

The Effects of Flow Containing Dust on the Results of Hypersonic Wind Tunnel Experiments, by B. I. Bakum.

RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, No 4, 1970, pp 187-189.

NTC 72-11137-20D

Nasa TTF 13529 7pp

May 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

[redacted]

IZV AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 5 Sep-Oct 1970, pp 68-72
FTD-HS-23-1263-72
FTD-HS-23-1523-73

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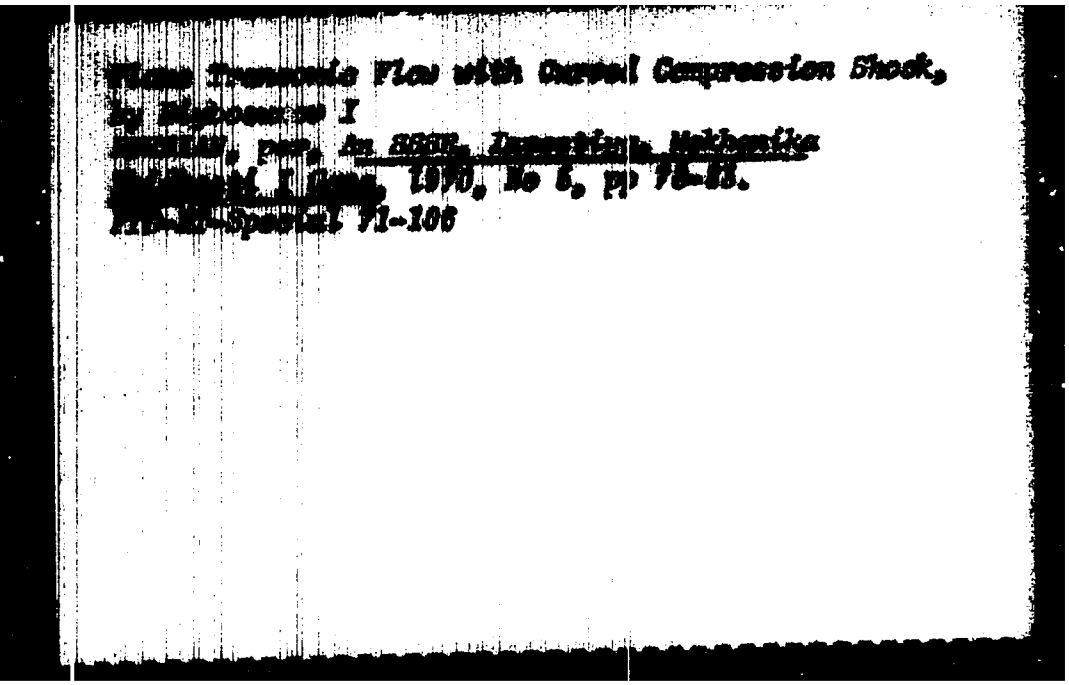

Transonic Flow with Normal Compression Shock,
by [illegible]
[illegible] Fluid, An SSSR, Izvestiia, Mekhanika
[illegible], 1970, No 5, pp 78-83.
[illegible] Speed, 71-106

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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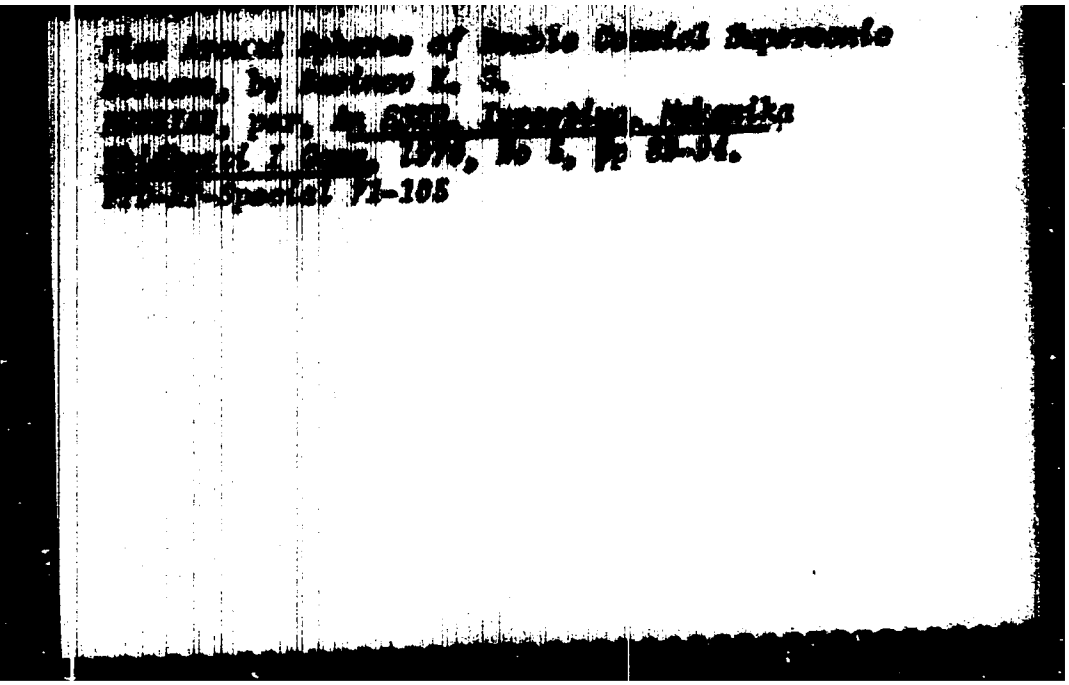

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Second Approximation in the Problem of Strong Viscous Interaction on Thin Three Dimensional Bodies, by V. V. Mikhailov.

RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, No 5, 1970, pp 107-113.

NTC 72-11296-20D

Nasa TTF 13538 11 pp

May 72

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IZV. AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 5, 1970,
pp 132-139
FTD-HT-Special 128-71

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V. M. Anufriev

Discrete Component in Noise Spectrum of Supersonic Jets.

RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya Mekhanika Zhidkosti i Gaza, No 5, 1970, pp 162-165.

NTC 72-13984-01B

Nov 72

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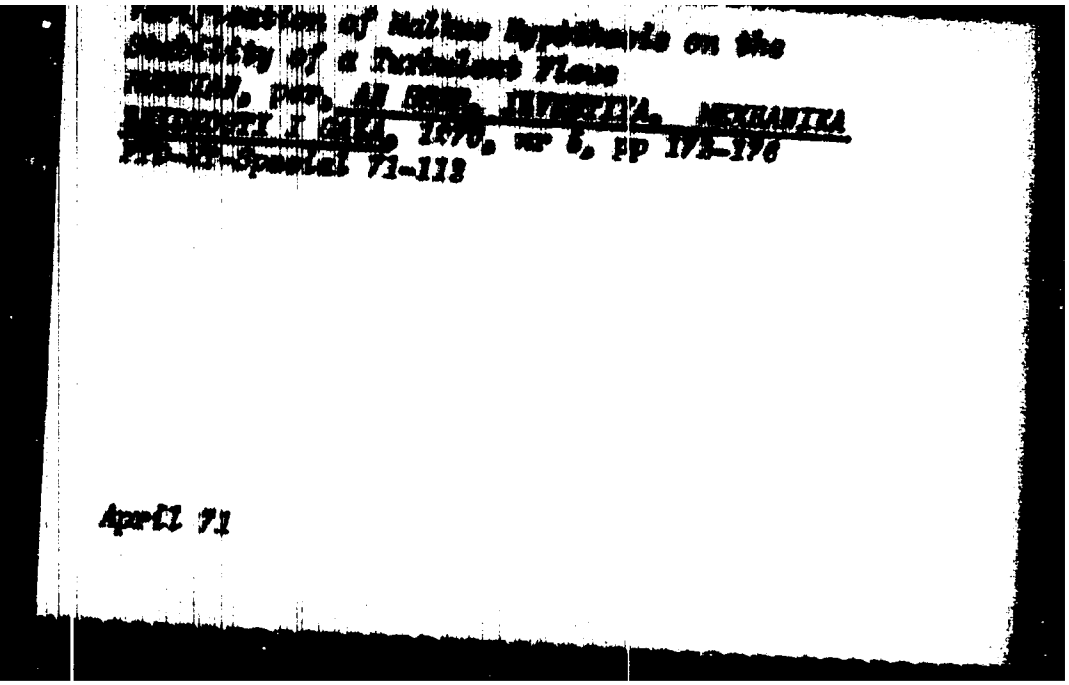

April 71

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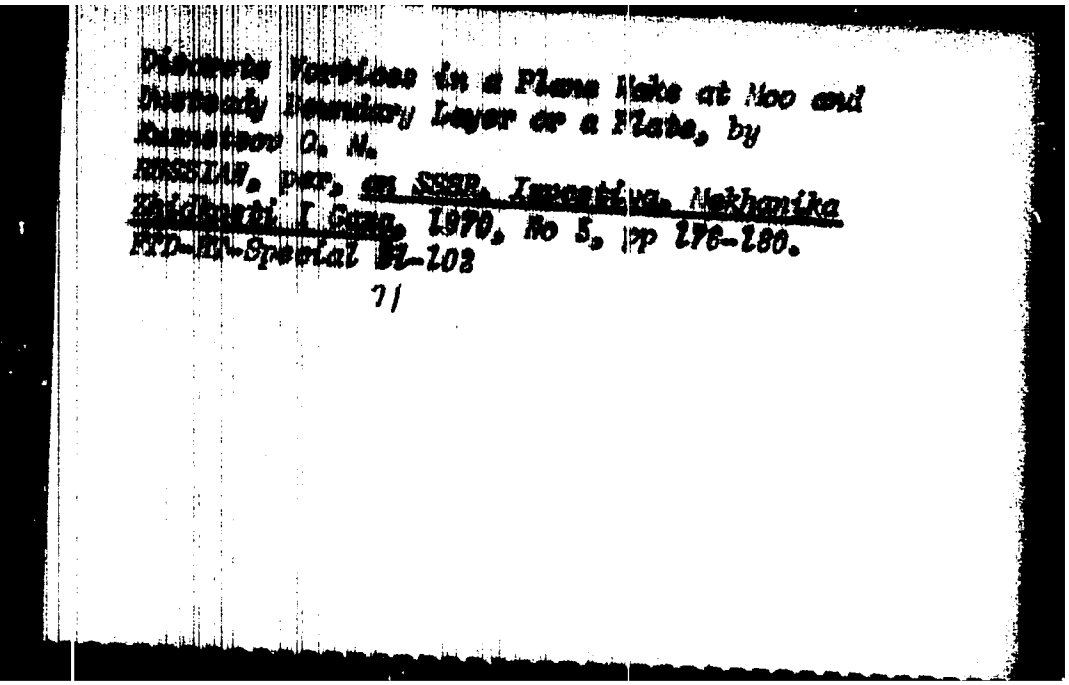

Dielectric Vortices in a Plane Wake at Moo and Supersonic Boundary Layer on a Plate, by
[illegible] O. M.
KUSKOV, per., on SSSR, Izvestiya, Mekhanika Zhidkosti i Gaza, 1970, No 5, pp 176-180.
FTD-HT-Special 23-203
71

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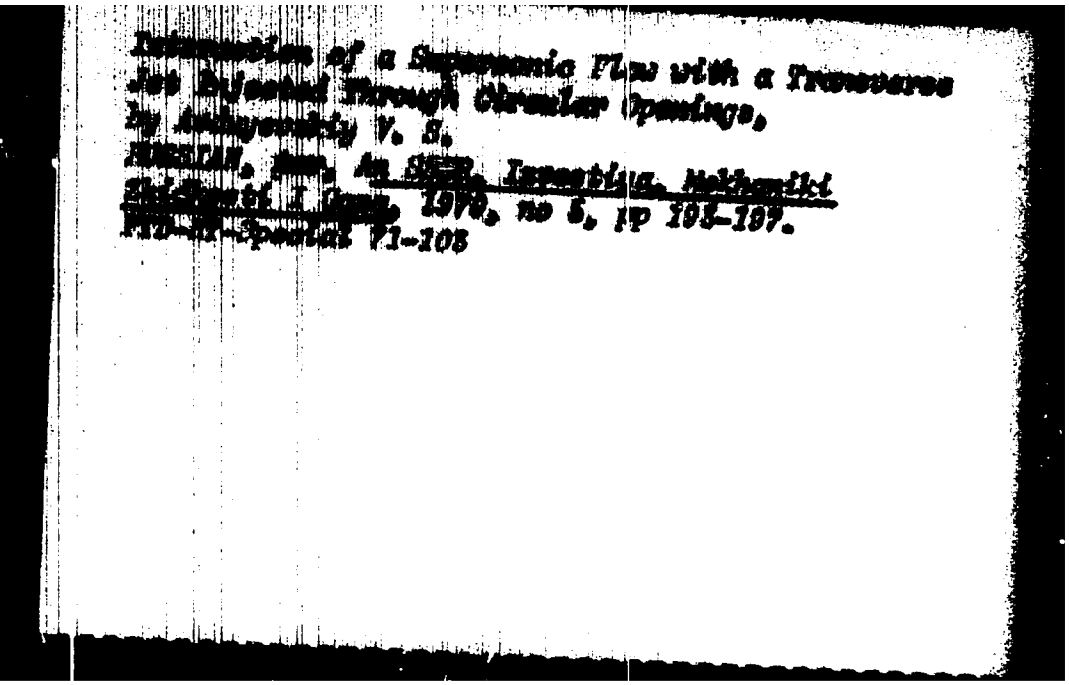

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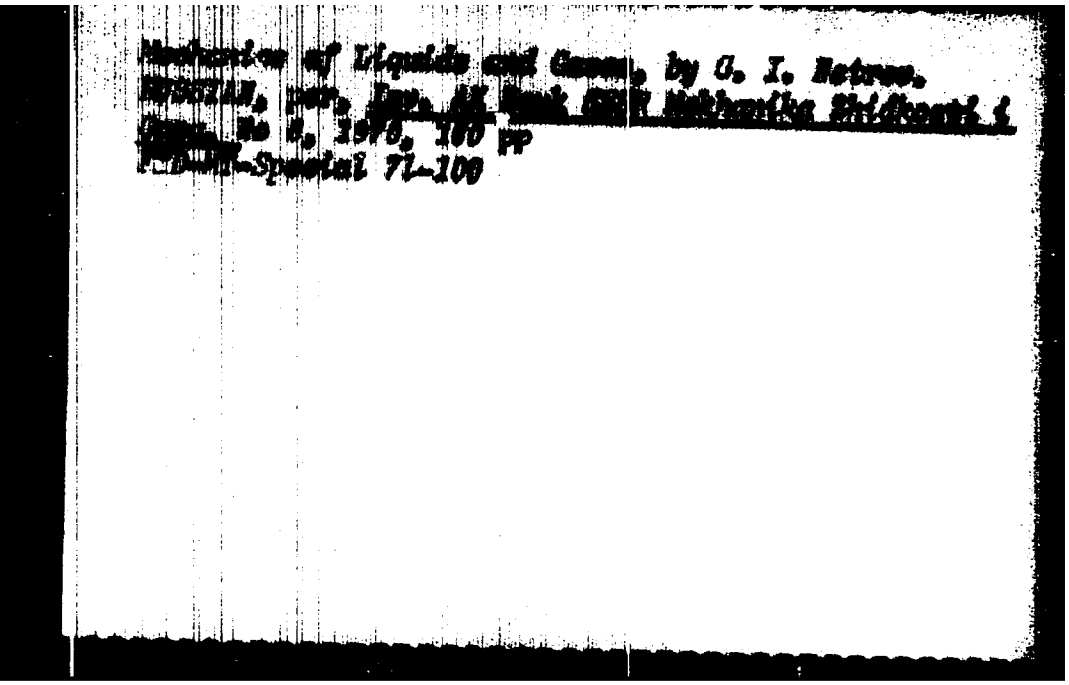

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Magnetic Hydrodynamics of Plane Flows in a Plasma With Anisotropic Pressure, by, V. B. Baranov, 15 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk Gaza,
No 6, Nov-Dec 1970, pp 3-10.
NASA TT F 13570
NTC 70-10320-20 I

Oct 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Nonstationary Rarefaction Flows Having Symmetry, by O. V. Rysev, 12 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk, Gazz, No 6, 1970, pp 35-39.
NASA TT F 13571
NTC 72-10316-20D

Oct 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

The Rule of Radiation Absorption in Front of a Shock Wave During Hypersonic Flow Around a Blunt Body, by V. K. Vertushkin, et al, 14 pp.
RUSSIAN, per, Izv Akad Nauk SSSR, Mekh. Zhidk Gaza.
No 6, 1970, pp 40-47.
NASA-TT-F-13572
NTC 72-10181-01A

Sept 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Transonic Flow of Gas in Axially Symmetric Laval Nozzles With Steep Walls, by V. I. Kireyev. 8 pp. RUSSIAN, per, Izv. Akad. Nauk. SSSR. Mekh. Zhidk. Gaza. No 6, Nov-Dec 1970, pp 55-58.
NASA TT F 13573
NTC-72-10696-2025

Oct 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

An Experimental Determination of the Magnitude of Accelerated Molecular Diffusion in Turbulent Mixing of Supersonic Wave Flows, by A. I. Maltsev, 15 pp. RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk. Gaza, No 6, N v-Dec 1970, pp 59-65.
NASA TT F 13574
NTC 72-10515-20

Oct 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

The Equation of the Energy Balance for Turbulent Pulsations in the Theory of a Free Turbulent Boundary Layer, by N. I. Akatnov, 9 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk. Gaza, No 6, Nov-Dec 1970, pp 75-79.
NASA TT F 13575
NTC 72-10318-Q05

Oct 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Impact of Spherical Shells Against the Surface of a Liquid, by A. G. Gorshkov, 8 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk Gaza, No 6, Nov-Dec 1970, pp 90-92.
NASA TT F 13576
NTC 72-10687-3017

Oct 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Investigation of a Three Dimensional Separated Flow Around Semicones Placed on a Plane Plate, by V. S. Avduyevskiy. 10 pp.
RUSSIAN, per., Izv. Akad. Nauk. SSSR. Mekh. Zhidk. Gaza, No 6, Nov-Dec 1970, pp 112-115.
NASA TT F 13578
NTC 72-10684-205

Oct 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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Similarity of Supersonic Separated Flows, by
M. G. Moronov. 9 pp.
RUSSIAN, per, Izv. Akad. Nauk. SSSR. Mekh. Zhidk.
Gaza, No 6, Nov-Dec 1970, pp 115-118.
NASA TT F 13577
NTC 72-10688-205

Oct 71

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RUSSIAN

CSO: 0189/73(h) W
27 Jul 72 SF

Influence on the heat exchange of freezing of the chemical reactions in a nonequilibrium laminar boundary layer, by V. G. Voronkin.

Moscow, Iz Ak Nauk SSSR, Mekhanika zhidkosti i gaza, No 6, 1970, pp 127-129.

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Effect of Mass Entrainment Products on Heat Transfer Durin g Decomposition of Graphite in a Radiating Air Plasma, by A.B. Karasyev, 16 pp.
RUSSIAN, per. Mekhanika Zhidkosti i Gaza Izv Akad Nauk SSSR, No 1, 1971. pp 23-3
ACSI-K-1921
FSTC-HT-23-1360-72

Mar 72

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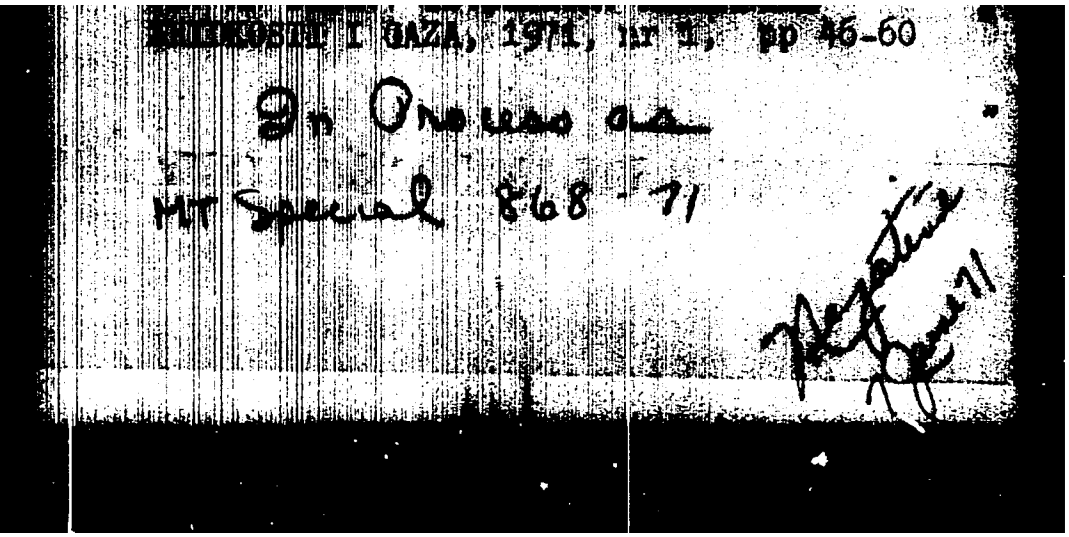

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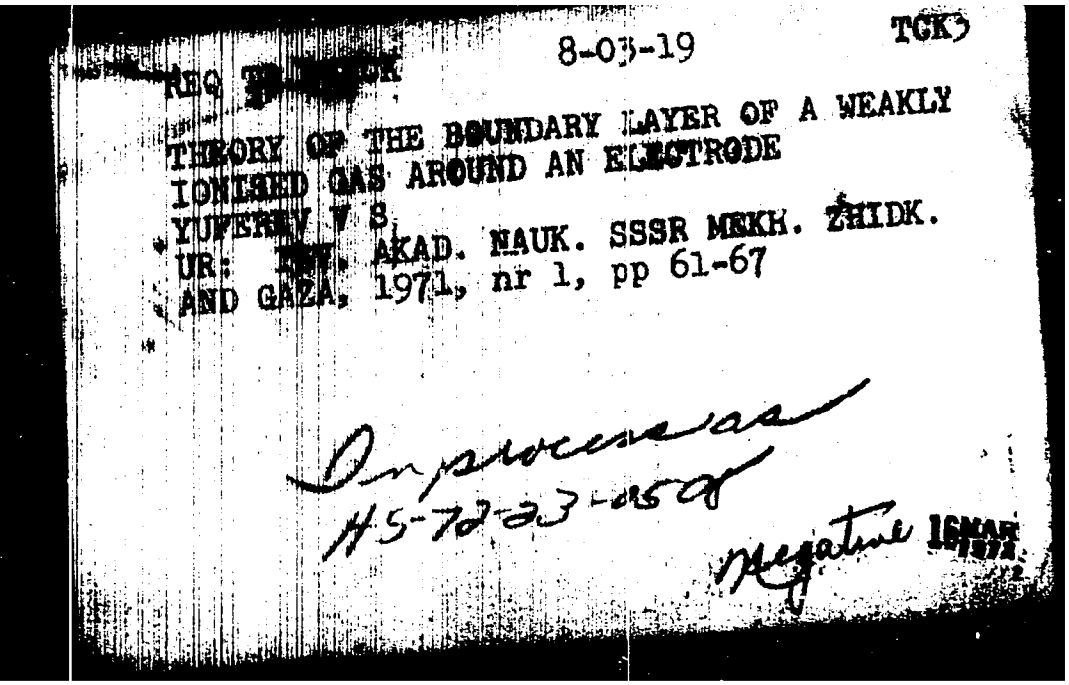

8-03-19 TGK

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THEORY OF THE BOUNDARY LAYER OF A WEAKLY IONIZED GAS AROUND AN ELECTRODE

YUFEREV V S

UR: AKAD. NAUK. SSSR MEKH. ZHIDK. I GAZA, 1971, nr 1, pp 61-67

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REQ TR CHECK 5-1C-4 TS79

BOUNDARY LAYER EQUATIONS IN A RADIATING GAS
STULOV V P
UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI
I GAZA. JAN-FEB 1971, pp 68-75

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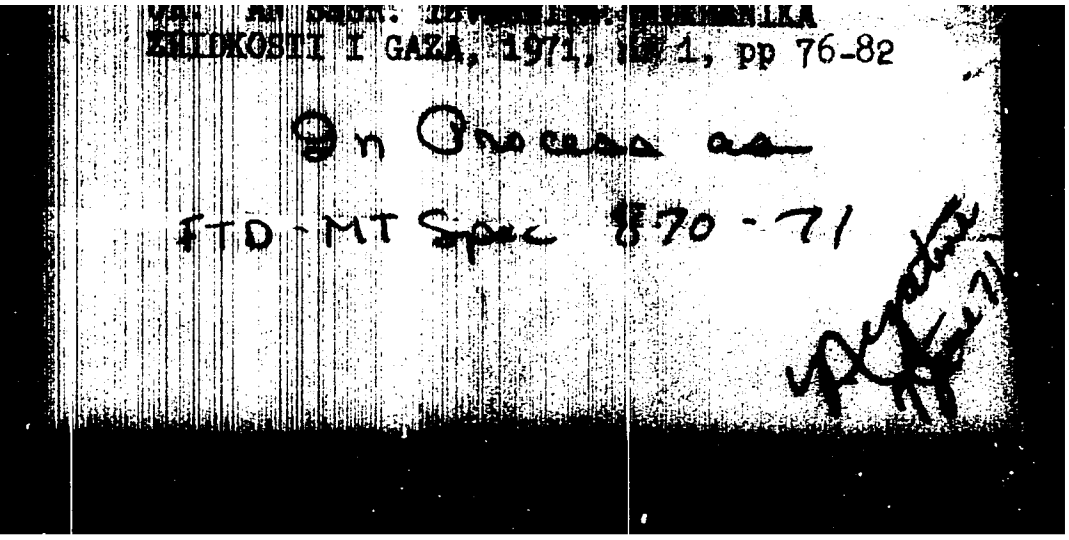

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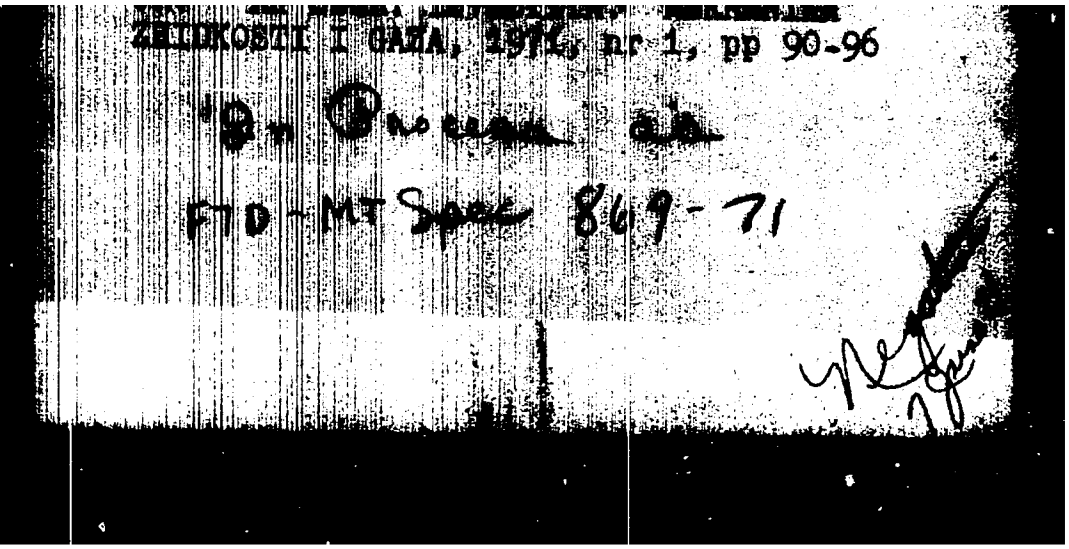

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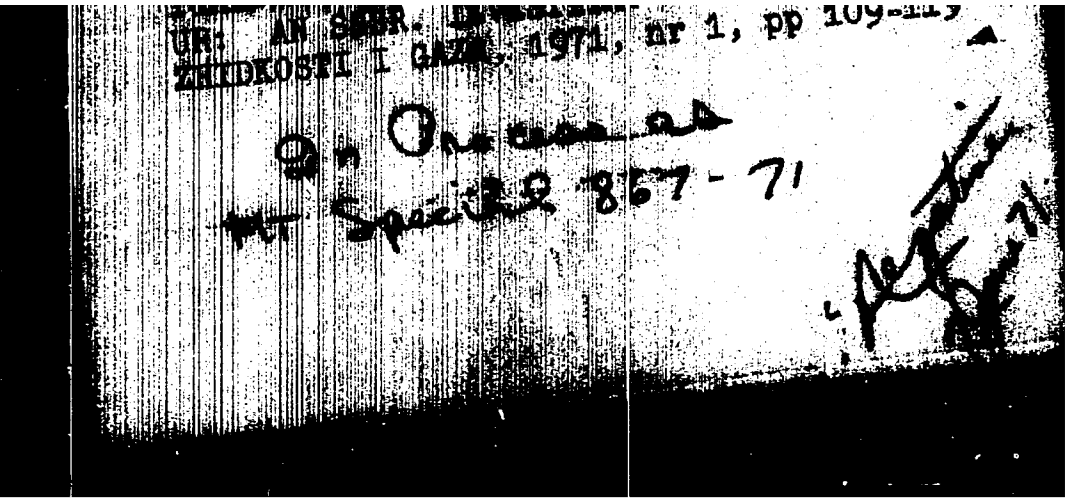

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On Transonic Flow Perturbations Caused by Vorticity, by G. S. Il'inskaya, 4 pp. RUSSIAN, per, Izv An SSSR, Mekh Zhid i Gaza, No 1, 1971, pp 168-170. X-7466

June 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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REQ TR CHECK 26-6-29 TFR3

PROFILING OF NOZZLES USING GASES WITH CONDENSATE PARTICLES
DRITOV, G. V., TISHIN, A. P.
UR-AKADEMIIA NAUK SSR, IZVESTIIA, MEKHANIKA ZHIDKOSTI I GAZA, No 1, Jan-Feb 1971, pp 170-175

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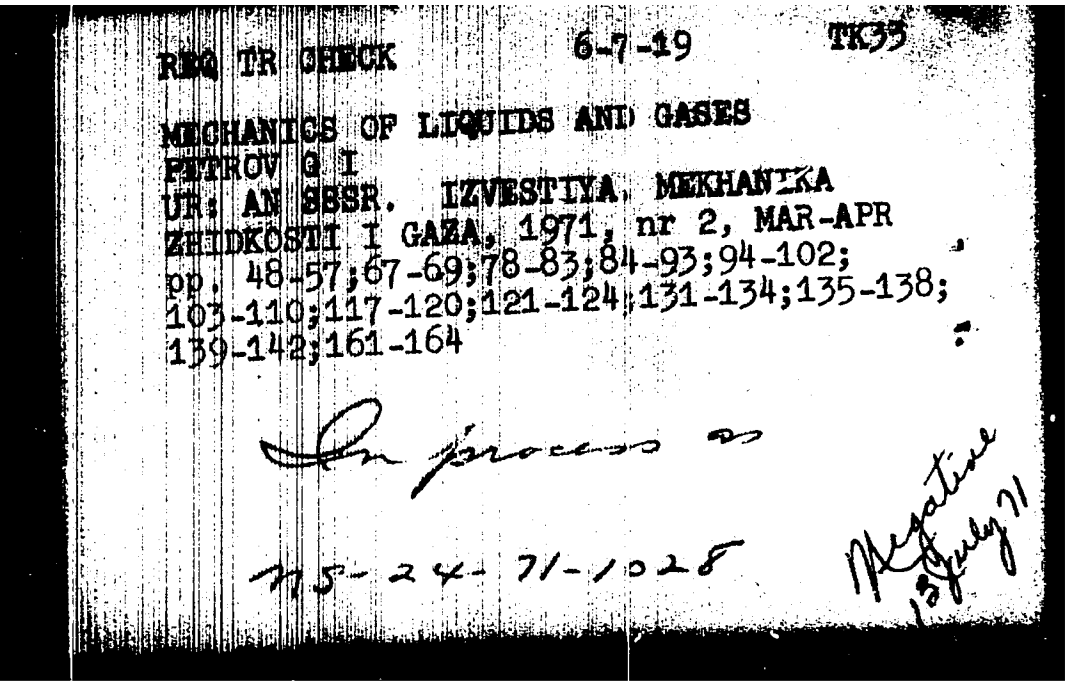

REQ TR CHECK 6-7-19 TK35

MECHANICS OF LIQUIDS AND GASES
PETROV G I
UR: AN SSSR. IZVESTIYA. MEKHANIKA
ZHIDKOSTI I GAZA, 1971, nr 2, MAR-APR
pp. 48-57;67-69;78-83;84-93;94-102;
103-110;117-120;121-124;131-134;135-138;
139-142;161-164

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Unstead Viscous Gas Flow Between Two Solid Walls, One o[illegible] Which is Free and Vibrates at High Frequency, by V. A. Byushkin, RUSSIAN, per, Izv AN SSSR, Mekhanika Zhid i Gaza, No 2, 1971, pp 111-116.
X-7490

Sept 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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Nonequilibrium Viscous Flow of a Multicomponent Gas in the Neighborhood of the Stagnation Point of a Blunt Body, by V. G. Voronkin, 5 pp.
RUSSIAN, per, Izv AN SSSR, Mekhanika Zhidkosti i Gaza, No 2, 1971, pp 144-147.
X-7488

Sept 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

On the Effect of a Rise in Stagnation Temperature on the Gas Flow Around Deep Cavities, by Yu. B. Yeliseyev, 14 pp.
RUSSIAN, per, Izv An SSSR, Mekh Zhidk i Gaza, No 3, 1971. pp 8-18
CIA-X-7511
NTC 72-11171-01A

Nov 71

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REQ TR CHECK . . 4-5-1 TEI6

DEFORMATION OF FLUID JETS AND DROPLETS IN A TRANSVERSE FLOW OF GAS
GELFAND, B.YE., GUBIN, S.A.
UR-AKADEMIIA NAUK SSSR, IZVESTIIA, MEKHANKIA ZHIDKOSTI I GAZA, no 3, 1971, pp 82-88

C/c Phys Abs
Process in as
HS72-23-1194

15 May 72

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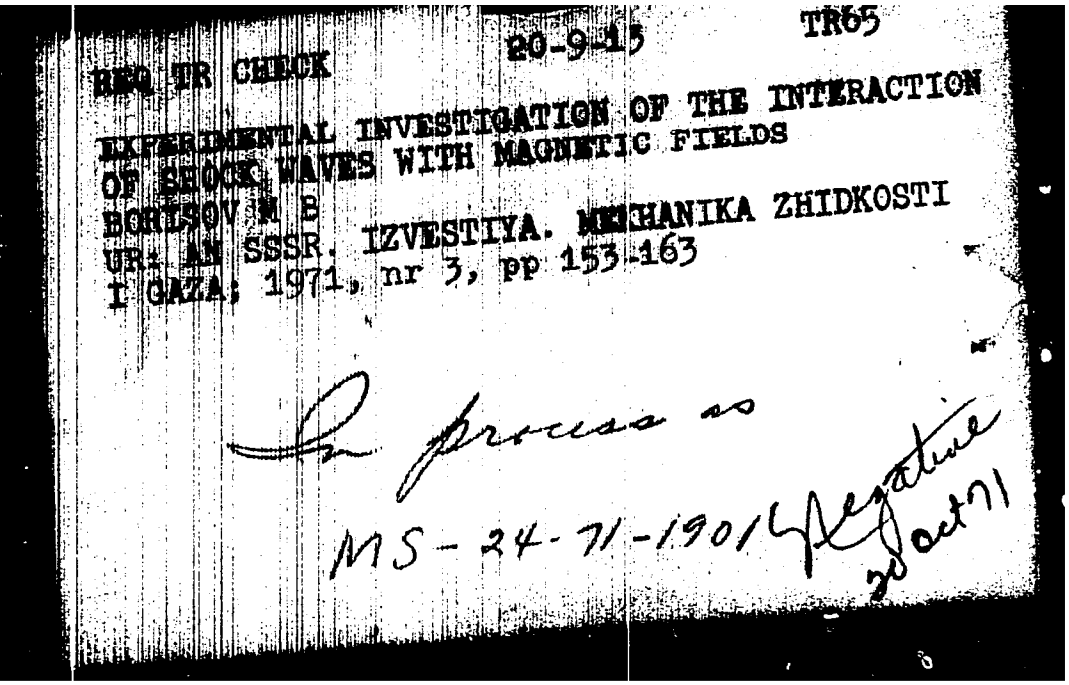

20-9-15 TR65

REQ TR CHECK

EXPERIMENTAL INVESTIGATION OF THE INTERACTION OF SHOCK WAVES WITH MAGNETIC FIELDS

BORISOV M B

UR. AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA; 1971, nr 3, pp 153-163

Xerox as

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

REQ TR CHECK 12-12-8 TZ30

CALCULATION OF THE PROFILE OF A DIFFRACTED SHOCK WITH SUBSEQUENT ESTABLISHMENT OF STATIONARY SUPERSONIC AND TRANSONIC FLOW

FONAREV A S

UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA

1971, nr 4, pp 34-40

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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REQ TR CHECK 13-12-71 TZ33

INTERACTION OF SUPERSONIC FLOW WITH BOUNDARY LAYER ACCORDING TO THE ASYMPTOTIC THEORY

NEYLAND V YA

UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA, 1971, nr 4, pp 41-47

MS-24-13-308 nuy 13/12/71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

REQ TR CHECK 13-12-10 TZ32

INFLUENCE OF A DISTURBED BOUNDARY LAYER ON HYPESONIC FLOW CONSIDERING VISCOSITY EFFECTS
KOZLOVA I G
UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA, 1971, nr 4, pp 48-53

MS-44-12-307 12/21/71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

REQ TR CHECK 26-6-19 TFQ2

PROPAGATION OF SMALL PERTURBATION WAVES THROUGH A PLATE ARRAY IN A SUBSONIC GAS FLOW

TRAKHTENBROYT, M. A.

UR-AKADEMIIA NAUK SSSR, IZVESTIIA, MEKHANIKA ZHIDKOSTI I GAZA, Jul-Aug 1971, pp 85-91

Process in as
H572-23-1396 mcy
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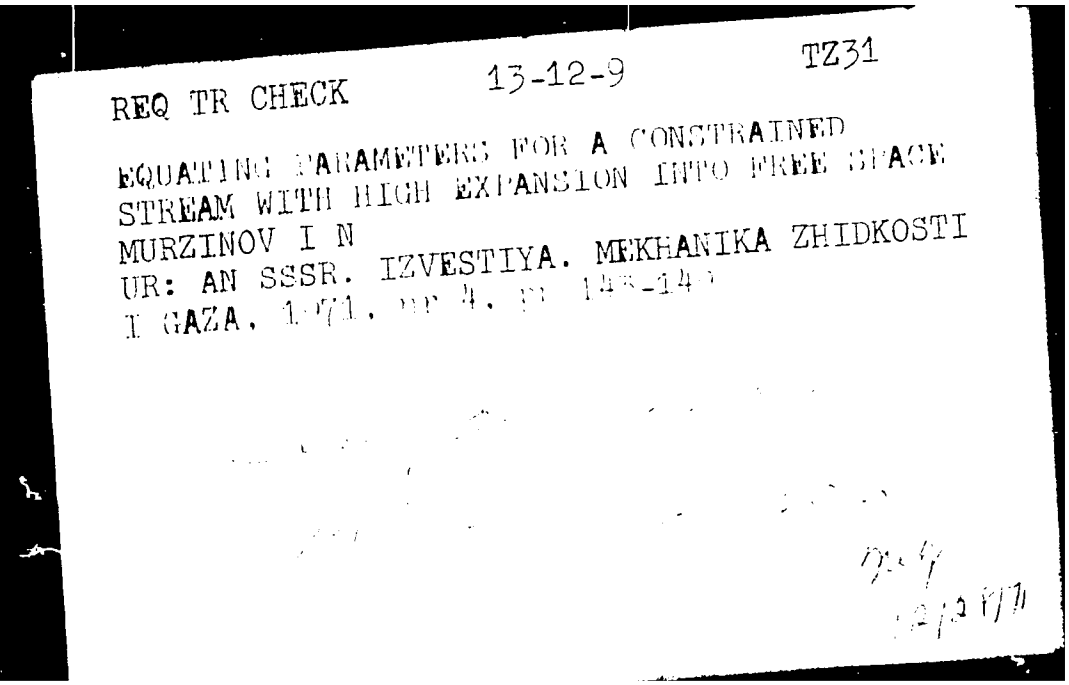

REQ TR CHECK 13-12-9 TZ31

EQUATING PARAMETERS FOR A CONSTRAINED STREAM WITH HIGH EXPANSION INTO FREE SPACE
MURZINOV I N
UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA. 1971, NR 4, PP 143-147

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I. Biybosunov

Solution of the Chaplygin equation by the straight-lined
~~metha~~ method. 13 pp.
RUSSIAN, Izvestiya AN SSSR. Mekhanika Zhidkosti i Gaza,
No 5, 1971, pp 56-64 Dyf Eq
AIR/FTD-HT-23-1238-72
Nasa TTF 14,254

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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REQUTR CHECK 20-03-73 T383

CALCULATION OF THE FLOW IN THE SUBSONIC AND TRANSONIC PORTIONS OF RING NOZZLES

OVSYANNIKOV, A M

UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA, 1971, DEC-NOV, NO 6, pp. 137-143

Paper in ar

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Neg 28 MAR 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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REQUEST TR CHECK 16 8-9 TGF3

EXPERIMENTAL INVESTIGATION OF THE INFLUENCE OF THE TANGENTIAL BLOWING AND WALL COOLING ON SEPARATED FLOW
GRIN V T; ZAKHAROV N N
UR: AN SSSR: IZVESTIYA MEKHANIKA ZHIDKOSTI I GAZA, 1971, nr 6, pp 143-147

~~C/c Plasma Phys~~

Process in as

4572-23-146L

30 Aug 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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V.V. STRUMINSKIY; A.M. KHARITONOV; V.V. CHERNYKH
UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA , No 2, 1972, pp. 30-34

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20 Nov 72

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V. N. KALASHNIKOV

Anomalous Indications of Pitot Tubes in Solid-particle Suspensions and Polymer Solutions that Reduce Turbulent Friction.

RUSSIAN, per, Izv AN SSSR, Mekhanika Zhidkosti i Gaza, No 2, 1972, pp 48-54.

NAVY/APL/JHU-T-2682

Nov 72

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M. SH. GITERMAN

Internal Gravitational Waves and Convective Instability of a Liquid, by M. Sh. Giterman.
RUSSIAN, per. Izv AN SSSR, Mekhanika Zhid i Gaza, No 2, 1972, pp 54-61.
NAVY/APL/JHU-T-2683

Nov 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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V. N. Mikhaylov

Supersonic flow in a corner formed by intersecting plates.

8 pp.
RUSSIAN, Izv. Akad. Nauk SSSR, Mekh. Zhidk. Gaza,
Mar-Apr 1972, pp 162-166
NASA TT F 14,537

jan 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Experimental and Theoretical Study of a Supersonic Wall Jet in a Supersonic Wake Flow, by
G. N. Abramovich
IZV. MEKHANIKA ZHID I GAZA, No 4, 1972, pp 25-32.
APL/JHU-T-2730

Apr 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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REQ TR CHECK 12-02-73 T196

EFFECT OF EXTERNAL TURBULANCE ON THE BOUNDARY LAYER OF A FLOW
GORLIN, S M; ZRAZHEVSKIY, I M
UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA, 1972, No. 4, pp. 52-57

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Transition to Turbulence in Submerged and Wake Jets

by O. I. Navoznov.

IZV MEKHANIKA ZHIDKOSTI I GAZA, No 4, 1972, pp 148-154.

NAV/APL/JHU-T-2737

Apr 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

Ye. G. Shifrin

Problem of uniform-jet flow around an airfoil.
IZVESTIYA AKADEMIYA NAUK SSSR, MEKHANIKA ZHIDKOSTI I
GAZA, No 4, Jul-Aug 1973, pp 163-165
NASA TT F 14,815

feb 75

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

REQ TR CHECK 12-07-73 T031

FLOW IN THE BASE AREA OF FLAT BODIES
SHVETS, A.I.
UR: IZVESTIYA AKADEMII NAUK SSSR, MEKHANIKA ZHIDKOSTEY I GAZOV, NO. 6, NOV-DEC 1972, pp. 61-70 c/c Plenum Press

Plenum in ad
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Izvestiya Akademii Nauk SSSR, Metally, [illegible].

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Third All-Union Conference on the Preparation, Structure, Physical Properties and Applications of Single Crystals of High Melting and Rare Metals, by Ye. V. Ottenberg, 5 pp.
RUSSIAN, per, Izvestiya Akademii Nauk SSR-Metally, Moscow, No 4, 1969, pp 270-271.
JPRS 49010

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Oct 69

392,738

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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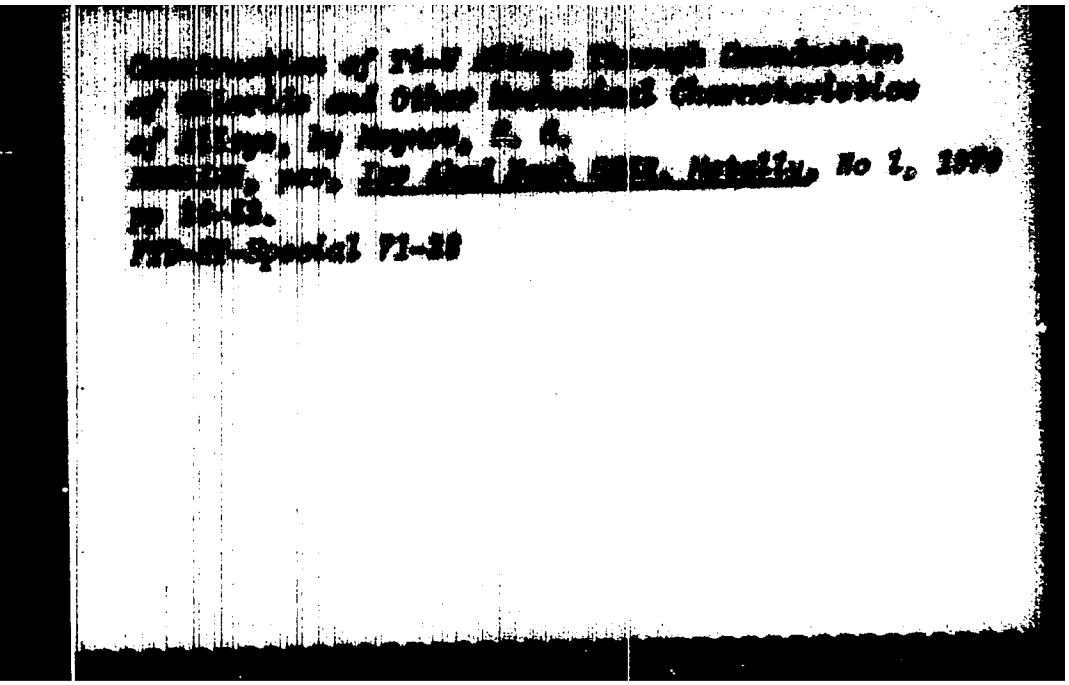

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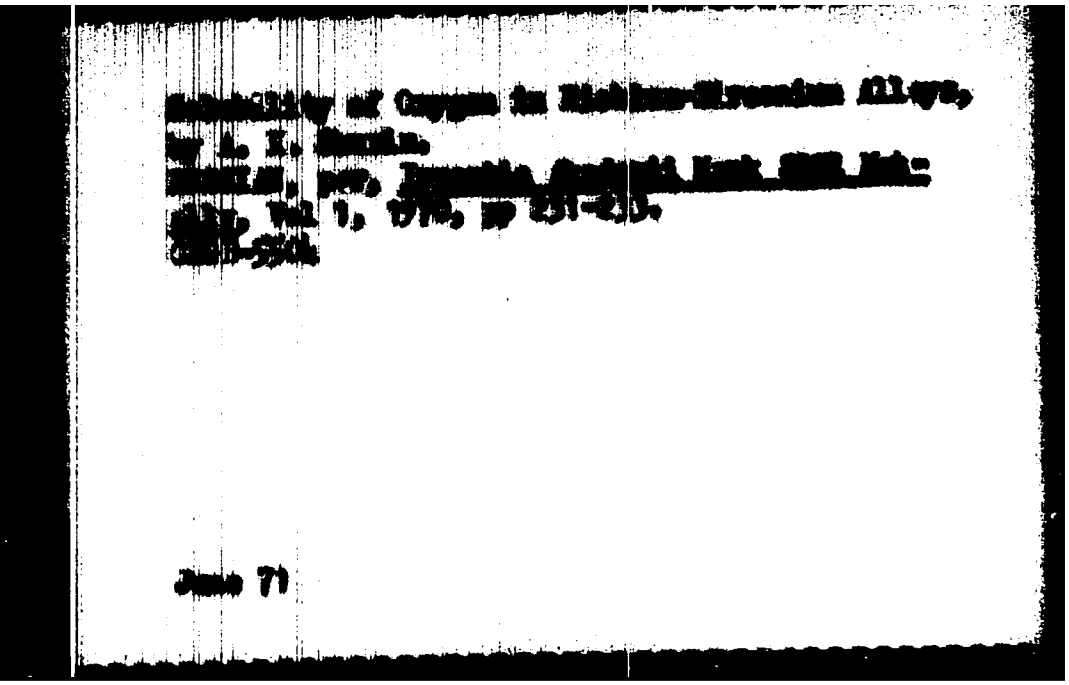

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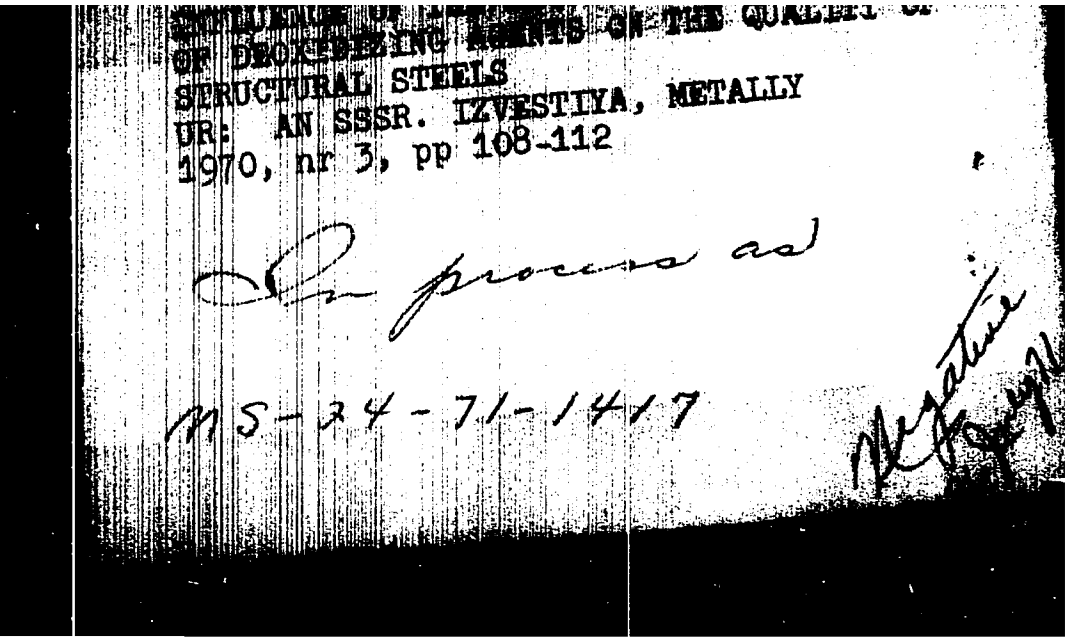
APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

The Prospects of Metal Research Development, by
Ye. M. Savitskiy, 41 pp.
RUSSIAN, per, AN SSSR. Izvestiya. Metally, pp 49-71
AIR/FTD-HC-23-59-71 Mar - Apr 1970

Sept 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2



OF DEOXIDIZING AGENTS ON THE QUALITY OF
STRUCTURAL STEELS
UR: AN SSSR. IZVESTIYA, METALLY
1970, nr 3, pp 108-112

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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Increasing the creep strength of the KI 437 B alloy, by M. I. Drichevet et al. 770

[redacted], [redacted], [redacted], [redacted], No. 3, 1970, pp 129-131.

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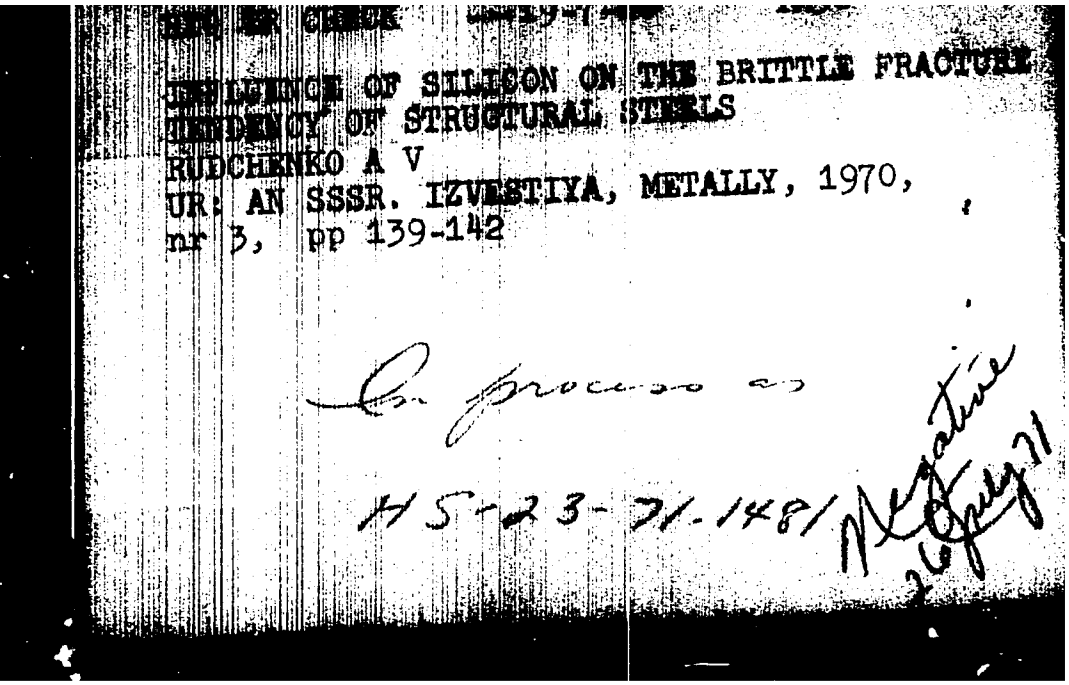

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INFLUENCE OF SILICON ON THE BRITTLE FRACTURE
TENDENCY OF STRUCTURAL STEELS
RUDCHENKO A V
UR: AN SSSR. IZVESTIYA, METALLY, 1970,
nr 3, pp 139-142

Ch. Process as

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110012-2

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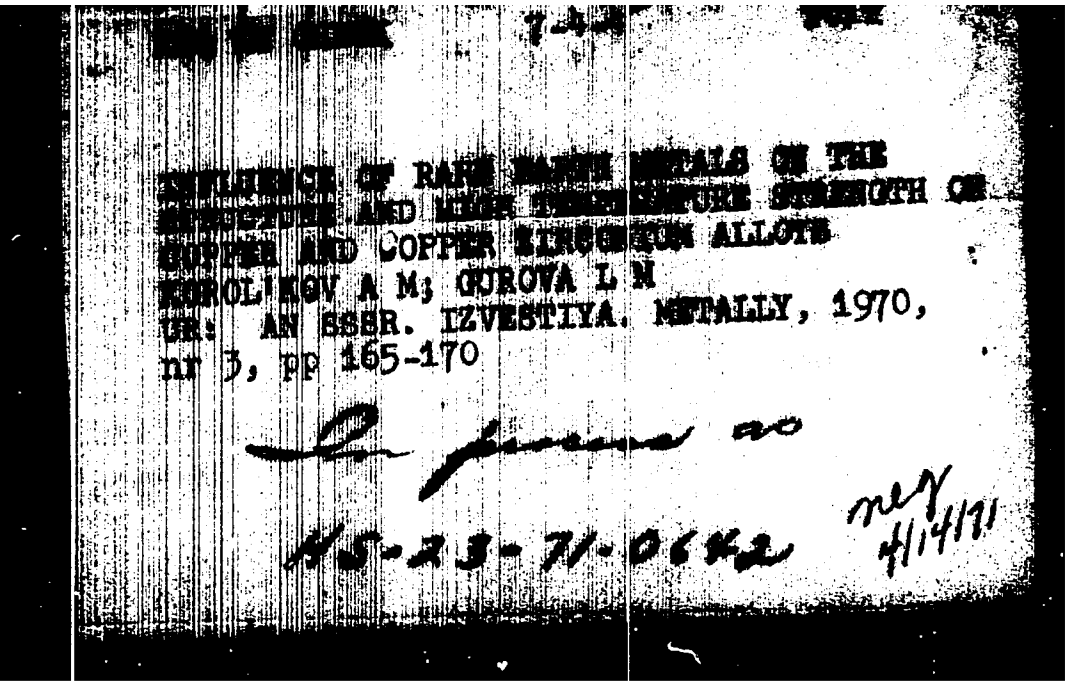

[illegible] OF RARE EARTH METALS ON THE
[illegible] AND OTHER [illegible] STRENGTH OF
COPPER AND COPPER ALUMINUM ALLOYS
KOROLIKOV A M; GUROVA L N
SR: AN SSSR. IZVESTIYA. METALLY, 1970,
nr 3, pp 165-170

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